

L8 ANSWER 1 OF 2 WPIX COPYRIGHT 2004 THE THOMSON CORP on STN
AN 1992-346314 [42] WPIX
DNN N1992-264108 DNC C1992-153994
TI Preparation of magnetic disk medium with coating of liquid lubricant -
comprises
coating surface of disk with per fluorocarbon and e.g. ethyl ether solvent
containing lubricant.
DC A85 G02 L03 T03
PA (FJIE) FUJI ELECTRIC MFG CO LTD
CYC 1
PI JP 04252422 A 19920908 (199242)* 6 G11B005-84 <--
ADT JP 04252422 A JP 1991-113567 19910518
PRAI JP 1990-406166 19901226
IC ICM G11B005-84
AB JP 04252422 A UPAB: 19931006

Solvent comprises mixture of an organic solvent and a perfluorocarbon solvent for dissolving a liquid lubricant and coating it on surface of a magnetic disk medium.

Pref. the organic solvent is one of selected from 5-10C hydrocarbon, ethyl ether, propyl ether or or alcohol fluoride, preparation of a magnetic disk using the solvent.

ADVANTAGE - The medium needs no Furon-113 or -112 to keep similar surface lubricity.

In an example, a perfluorocarbon solvent of 'Fonbrin solvent XA-100' (RTM) and n-pentane were mixed at rate of 1:1, a perfluoro polyether of 'Fonbrin AM2001' (RTM) was dissolved to it at 100g/l of concentration, stirred at 15 deg. C, diluted by 'Fonbrin solvent ZS-100' (RTM) to 5 g/l of 'Fonbrin AM2001' (RTM) concentration, stirred, held for one day, then spin coated on carbon protection layer of a 3.5 inch metal thin film magnetic disk. As the result the disk had 20.02 microns thick lubricant film with improved property.

O/O

FS CPI EPI
FA AB
MC CPI: A12-E08A; A12-E08A2; G02-A05B; L03-B05B; L03-B05K3
EPI: T03-A02B5; T03-A02E1A

L8 ANSWER 2 OF 2 JAPIO (C) 2004 JPO on STN
AN 1992-252422 JAPIO
TI PRODUCTION OF MAGNETIC DISK MEDIUM AND SOLVENT FOR APPLICATION OF LIQUID LUBRICANT

IN NAKAJIMA NORIHIKO
PA FUJI ELECTRIC CO LTD
PI JP 04252422 A 19920908 Heisei
AI JP 1991-113567 (JP03113567 Heisei) 19910518
PRAI JP 1990-406166 19901226
SO PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 1992
IC ICM G11B005-84
AB PURPOSE: To find and use a fresh solvent mixture for application of the liquid lubricant to be applied on magnetic disk media.
CONSTITUTION: The solvent mixture composed of a perfluorocarbon solvent and an organic solvent and the solvent mixture composed of a perfluorocarbon solvent and fluorinated alcohol are found as the solvent for applying perfluoropolyether which has a functional group and is the liquid lubricant for the magnetic disk media on the medium surface. The organic solvent to be mixed with the perfluorocarbon solvent is preferably 5 to 10C hydrocarbon, ethyl ether, isopropyl ether or the above-mentioned mixture. The fluorinated alcohol to be mixed with the perfluorocarbon solvent is preferably the fluorinated alcohol having the structure of $F(CF_2)_nCH_2OH$, $H(CF_2)_nCH_2OH$ or the above-mentioned mixture. The lubricating characteristic of the media coated with the liquid lubricant by using this solvent for application of

the liquid lubricant is equal to the lubricating characteristic of the media coated with the liquid lubricant by using the conventional specific fluorocarbon.

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